Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05

					Estimate Cost Rs.			894.00 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).								
	Basic rate	105.00							
	6% AW	6.30							
	Sub Total	111.30							
	Agrahara layout								
	1st cross road	2	119.00	1.65		392.70			
	cross road near masadi	2	24.00	1.65		79.20			
	2nd cross road	2	115.00	1.65		379.50			
	3rd cross road	2	75.00	1.65		247.50			
	4th main road	2	120.00	1.65		396.00			
	1st cross road	2	60.00	1.65		198.00			
	2nd cross road	2	60.00	1.65		198.00			
	3rd cross road	2	60.00	1.65		198.00			
	4th cross road	2	60.00	1.65		198.00			
	5th cross road	2	60.00	1.65		198.00			
	6th cross road	2	42.00	1.65		138.60			
	5th main road	2	180.00	1.65		594.00			
	1st cross road	2	50.00	1.65		165.00			
	2nd cross road	2	50.00	1.65		165.00			
	3rd cross road	2	55.00	1.65		181.50			
	4th cross road	2	50.00	1.65		165.00			
	5th cross road	2	55.00	1.65		181.50			
	6th cross road	2	50.00	1.65		165.00			
	Prakruti Nagar								
	1st cross road	2	55.00	1.65		181.50			
	2nd cross road	2	65.00	1.65		214.50			
	3rd cross road	2	95.00	1.65		313.50			
	6th cross road	2	350.00	1.65		1155.00			
	7th cross road	2	243.00	1.65		801.90			
	8th cross road	2	285.00	1.65		940.50			
	9th cross road	2	115.00	1.65		379.50			
	10th cross road	2	115.00	1.65		379.50			
	Kogilu layout								
	4th cross road	2	95.00	1.65		313.50			
	5th cross road	2	95.00	1.65		313.50			
	6th cross road	2	95.00	1.65		313.50			
	7th cross road	2	95.00	1.65		313.50			
						9860.40			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Deduct 35% damaged/missing					3451.14			
						6409.26			
	consider 50%					**3204.63**	**Sqm**	**111.30**	**356675.32**
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Loading Unloading & Lead 5 km	**69.80**							
	Total	**260.60**							
	Desilting								
	Agrahara layout								
	1st cross road	2	119.00	0.60	0.60	85.68			
	cross road near masadi	2	24.00	0.60	0.60	17.28			
	2nd cross road	2	115.00	0.60	0.60	82.80			
	3rd cross road	2	75.00	0.60	0.60	54.00			
	4th main road	2	120.00	0.60	0.60	86.40			
	1st cross road	2	60.00	0.60	0.60	43.20			
	2nd cross road	2	60.00	0.60	0.60	43.20			
	3rd cross road	2	60.00	0.60	0.60	43.20			
	4th cross road	2	60.00	0.60	0.60	43.20			
	5th cross road	2	60.00	0.60	0.60	43.20			
	6th cross road	2	42.00	0.60	0.60	30.24			
	5th main road	2	180.00	0.60	0.60	129.60			
	1st cross road	2	50.00	0.60	0.60	36.00			
	2nd cross road	2	50.00	0.60	0.60	36.00			
	3rd cross road	2	55.00	0.60	0.60	39.60			
	4th cross road	2	50.00	0.60	0.60	36.00			
	5th cross road	2	55.00	0.60	0.60	39.60			
	6th cross road	2	50.00	0.60	0.60	36.00			
	cross road	2	300.00	0.70	0.60	252.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.60	0.60	39.60			
	2nd cross road	2	65.00	0.60	0.60	46.80			
	3rd cross road	2	95.00	0.60	0.60	68.40			
	6th cross road	2	350.00	0.60	0.60	252.00			
	7th cross road	2	243.00	0.60	0.60	174.96			
	8th cross road	2	285.00	0.60	0.60	205.20			
	9th cross road	2	115.00	0.60	0.60	82.80			
	10th cross road	2	115.00	0.60	0.60	82.80			
	Kogilu layout								
	4th cross road	2	95.00	0.60	0.60	68.40			
	5th cross road	2	95.00	0.60	0.60	68.40			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th cross road	2	95.00	0.60	0.60	68.40			
	7th cross road	2	95.00	0.60	0.60	68.40			
	RCC Drain								
	Defence Colony								
	8th main	1	470.00	1.20	1.10	620.40			
	2nd cross road	2	130.00	1.20	1.20	374.40			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	1.20	1.00	528.00			
	1st cross road	2	251.00	1.20	1.00	602.40			
	2nd cross road	2	84.00	1.20	1.10	221.76			
	3rd A cross road	1	270.00	1.20	1.10	356.40			
	cross road-1	2	80.00	1.20	1.00	192.00			
	cross road-2	2	80.00	1.20	1.00	192.00			
	cross road-3	2	80.00	1.20	1.10	211.20			
	cross road-4	2	80.00	1.20	1.00	192.00			
	Mathru Layout	2	370.00	1.20	1.00	888.00			
	Jakkur Main Rd, LHS	1	225.00	1.20	1.10	297.00			
	Jakkur Main Rd, RHS	1	225.00	1.40	1.10	346.50			
	Culvert, SSM	20	6.00	2.00	1.10	264.00			
	Culvert	25	6.00	1.80	1.10	297.00			
						7986.42	**Cum**	**260.60**	**2081261.05**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. I.No.5.31.1, Page no 27								
	Basic rate	700.00							
	Area weightage 6%	42.00							
	Total	**742.00**							
	from item no.01					3451.14			
	cross road	2	300.00	1.65		990.00			
						4441.14	**Sqm**	**742.00**	**3295325.88**
4	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	6% AW	306.90							
	Sub Total	**5421.90**							
	RCC Drain								
	Defence Colony								
	8th main	1	470.00	1.20	0.15	84.60			
	2nd cross road	2	130.00	1.00	0.15	39.00			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	1.20	0.15	79.20			
	1st cross road	2	251.00	1.20	0.15	90.36			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd cross road	2	84.00	1.20	0.15	30.24			
	3rd A cross road	1	270.00	1.00	0.15	40.50			
	cross road-1	2	80.00	1.00	0.15	24.00			
	cross road-2	2	80.00	1.00	0.15	24.00			
	cross road-3	2	80.00	1.00	0.15	24.00			
	cross road-4	2	80.00	1.00	0.15	24.00			
	Mathru Layout	2	370.00	1.20	0.15	133.20			
	Jakkur Main Rd, LHS	1	225.00	1.00	0.15	33.75			
	Jakkur Main Rd, RHS	1	225.00	1.40	0.15	47.25			
	Culvert, SSM	20	6.00	1.80	0.15	32.40			
	Culvert	25	6.00	1.80	0.15	40.50			
	CC Road								
	Kogilu layout								
	Cross Road -1	1	40.00	3.80	0.15	22.80			
	Cross Road -2	1	90.00	4.10	0.15	55.35			
	Cross Road -3	1	70.00	3.60	0.15	37.80			
	Cross Road -4	1	58.00	4.30	0.15	37.41			
						900.36	**Cum**	**5421.90**	**4881661.88**
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13, cement mortar 1:6 KBS 5.1.13 (P.No-25,I No-5.6)								
	Basic rate	4596.00							
	6% AW	275.76							
	Sub Total	**4871.76**							
	Culvert, SSM	40	6.00	0.45	0.80	86.40			
						86.40	**Cum**	**4871.76**	**420920.06**
6	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229)								
	Basic rate	68233.00							
	6% AW	4093.98							
	Sub Total	**72326.98**							
	Consider 70kg/Cum for drain	1	1402.91	70.00		98.20			
	Consider 100kg/Cum for Culvert	1	99.00	100.00		9.90			
						108.10	**Tn**	**72326.98**	**7818826.81**
7	Providing and laying **plain/reinforced cement concrete** for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic rate	6670.00							
	6% AW	400.20							
	Sub Total	**7070.20**							
	CC Drain Raft								
	Defence Colony								
	8th main	1	470.00	0.90	0.15	63.45			
	2nd cross road	2	130.00	0.75	0.15	29.25			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	0.90	0.15	59.40			
	1st cross road	2	251.00	0.90	0.15	67.77			
	2nd cross road	2	84.00	0.90	0.15	22.68			
	3rd A cross road	1	270.00	0.75	0.15	30.38			
	cross road-1	2	80.00	0.75	0.15	18.00			
	cross road-2	2	80.00	0.75	0.15	18.00			
	cross road-3	2	80.00	0.75	0.15	18.00			
	cross road-4	2	80.00	0.75	0.15	18.00			
	Mathru Layout	2	370.00	0.90	0.15	99.90			
	Jakkur Main Rd, LHS	1	225.00	0.75	0.15	25.31			
	Jakkur Main Rd, RHS	1	225.00	1.20	0.20	54.00			
	Wall								
	Defence Colony								
	8th main	2	470.00	0.15	0.75	105.75			
	2nd cross road	4	130.00	0.15	0.70	54.60			
	Kattigenahalli, Durgamba Layout								
	Main Road	4	220.00	0.15	0.70	92.40			
	1st cross road	4	251.00	0.15	0.70	105.42			
	2nd cross road	4	84.00	0.15	0.70	35.28			
	3rd A cross road	2	270.00	0.15	0.70	56.70			
	cross road-1	4	80.00	0.15	0.75	36.00			
	cross road-2	4	80.00	0.15	0.75	36.00			
	cross road-3	4	80.00	0.15	0.75	36.00			
	cross road-4	4	80.00	0.15	0.75	36.00			
	Mathru Layout	4	370.00	0.15	0.75	166.50			
	Jakkur Main Rd, LHS	2	225.00	0.15	0.75	50.63			
	Jakkur Main Rd, RHS	2	225.00	0.20	0.75	67.50			
						1402.91			
	Culvert	25	6.00	1.50	0.20	45.00			
		50	6.00	0.30	0.60	54.00			
						99.00			
						1501.91	**Cum**	**7070.20**	**10618821.76**
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Basic rate	5422.00							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6% AW	325.32							
	Sub Total	5747.32							
	For Flagging Course P.C.C								
	Road Side								
	Agrahara layout								
	1st cross road	2	119.00	0.25	0.15	8.93			
	cross road near masadi	2	24.00	0.25	0.15	1.80			
	2nd cross road	2	115.00	0.25	0.15	8.63			
	3rd cross road	2	75.00	0.25	0.15	5.63			
	4th main road	2	120.00	0.25	0.15	9.00			
	1st cross road	2	60.00	0.25	0.15	4.50			
	2nd cross road	2	60.00	0.25	0.15	4.50			
	3rd cross road	2	60.00	0.25	0.15	4.50			
	4th cross road	2	60.00	0.25	0.15	4.50			
	5th cross road	2	60.00	0.25	0.15	4.50			
	6th cross road	2	42.00	0.25	0.15	3.15			
	5th main road	2	180.00	0.25	0.15	13.50			
	1st cross road	2	50.00	0.25	0.15	3.75			
	2nd cross road	2	50.00	0.25	0.15	3.75			
	3rd cross road	2	55.00	0.25	0.15	4.13			
	4th cross road	2	50.00	0.25	0.15	3.75			
	5th cross road	2	55.00	0.25	0.15	4.13			
	6th cross road	2	50.00	0.25	0.15	3.75			
	cross road	2	300.00	0.25	0.15	22.50			
	Prakruti Nagar								
	1st cross road	2	55.00	0.25	0.15	4.13			
	2nd cross road	2	65.00	0.25	0.15	4.88			
	3rd cross road	2	95.00	0.25	0.15	7.13			
	6th cross road	2	350.00	0.25	0.15	26.25			
	7th cross road	2	243.00	0.25	0.15	18.23			
	8th cross road	2	285.00	0.25	0.15	21.38			
	9th cross road	2	115.00	0.25	0.15	8.63			
	10th cross road	2	115.00	0.25	0.15	8.63			
	Kogilu layout								
	4th cross road	2	95.00	0.25	0.15	7.13			
	5th cross road	2	95.00	0.25	0.15	7.13			
	6th cross road	2	95.00	0.25	0.15	7.13			
	7th cross road	2	95.00	0.25	0.15	7.13			
	Compound Side								
	Agrahara layout								
	1st cross road	2	119.00	0.20	0.15	7.14			
	cross road near masadi	2	24.00	0.20	0.15	1.44			
	2nd cross road	2	115.00	0.20	0.15	6.90			
	3rd cross road	2	75.00	0.20	0.15	4.50			
	4th main road	2	120.00	0.20	0.15	7.20			
	1st cross road	2	60.00	0.20	0.15	3.60			
	2nd cross road	2	60.00	0.20	0.15	3.60			
	3rd cross road	2	60.00	0.20	0.15	3.60			
	4th cross road	2	60.00	0.20	0.15	3.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	5th cross road	2	60.00	0.20	0.15	3.60			
	6th cross road	2	42.00	0.20	0.15	2.52			
	5th main road	2	180.00	0.20	0.15	10.80			
	1st cross road	2	50.00	0.20	0.15	3.00			
	2nd cross road	2	50.00	0.20	0.15	3.00			
	3rd cross road	2	55.00	0.20	0.15	3.30			
	4th cross road	2	50.00	0.20	0.15	3.00			
	5th cross road	2	55.00	0.20	0.15	3.30			
	6th cross road	2	50.00	0.20	0.15	3.00			
	cross road	2	300.00	0.20	0.15	18.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.20	0.15	3.30			
	2nd cross road	2	65.00	0.20	0.15	3.90			
	3rd cross road	2	95.00	0.20	0.15	5.70			
	6th cross road	2	350.00	0.20	0.15	21.00			
	7th cross road	2	243.00	0.20	0.15	14.58			
	8th cross road	2	285.00	0.20	0.15	17.10			
	9th cross road	2	115.00	0.20	0.15	6.90			
	10th cross road	2	115.00	0.20	0.15	6.90			
	Kogilu layout								
	4th cross road	2	95.00	0.20	0.15	5.70			
	5th cross road	2	95.00	0.20	0.15	5.70			
	6th cross road	2	95.00	0.20	0.15	5.70			
	7th cross road	2	95.00	0.20	0.15	5.70			
	For Flagging Course Coping								
	Road Side								
	Agrahara layout								
	1st cross road	2	119.00	0.20	0.10	4.76			
	cross road near masadi	2	24.00	0.20	0.10	0.96			
	2nd cross road	2	115.00	0.20	0.10	4.60			
	3rd cross road	2	75.00	0.20	0.10	3.00			
	4th main road	2	120.00	0.20	0.10	4.80			
	1st cross road	2	60.00	0.20	0.10	2.40			
	2nd cross road	2	60.00	0.20	0.10	2.40			
	3rd cross road	2	60.00	0.20	0.10	2.40			
	4th cross road	2	60.00	0.20	0.10	2.40			
	5th cross road	2	60.00	0.20	0.10	2.40			
	6th cross road	2	42.00	0.20	0.10	1.68			
	5th main road	2	180.00	0.20	0.10	7.20			
	1st cross road	2	50.00	0.20	0.10	2.00			
	2nd cross road	2	50.00	0.20	0.10	2.00			
	3rd cross road	2	55.00	0.20	0.10	2.20			
	4th cross road	2	50.00	0.20	0.10	2.00			
	5th cross road	2	55.00	0.20	0.10	2.20			
	6th cross road	2	50.00	0.20	0.10	2.00			
	cross road	2	300.00	0.20	0.10	12.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.20	0.10	2.20			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd cross road	2	65.00	0.20	0.10	2.60			
	3rd cross road	2	95.00	0.20	0.10	3.80			
	6th cross road	2	350.00	0.20	0.10	14.00			
	7th cross road	2	243.00	0.20	0.10	9.72			
	8th cross road	2	285.00	0.20	0.10	11.40			
	9th cross road	2	115.00	0.20	0.10	4.60			
	10th cross road	2	115.00	0.20	0.10	4.60			
	Kogilu layout								
	4th cross road	2	95.00	0.20	0.10	3.80			
	5th cross road	2	95.00	0.20	0.10	3.80			
	6th cross road	2	95.00	0.20	0.10	3.80			
	7th cross road	2	95.00	0.20	0.10	3.80			
	Compound Side								
	Agrahara layout								
	1st cross road	2	119.00	0.15	0.10	3.57			
	cross road near masadi	2	24.00	0.15	0.10	0.72			
	2nd cross road	2	115.00	0.15	0.10	3.45			
	3rd cross road	2	75.00	0.15	0.10	2.25			
	4th main road	2	120.00	0.15	0.10	3.60			
	1st cross road	2	60.00	0.15	0.10	1.80			
	2nd cross road	2	60.00	0.15	0.10	1.80			
	3rd cross road	2	60.00	0.15	0.10	1.80			
	4th cross road	2	60.00	0.15	0.10	1.80			
	5th cross road	2	60.00	0.15	0.10	1.80			
	6th cross road	2	42.00	0.15	0.10	1.26			
	5th main road	2	180.00	0.15	0.10	5.40			
	1st cross road	2	50.00	0.15	0.10	1.50			
	2nd cross road	2	50.00	0.15	0.10	1.50			
	3rd cross road	2	55.00	0.15	0.10	1.65			
	4th cross road	2	50.00	0.15	0.10	1.50			
	5th cross road	2	55.00	0.15	0.10	1.65			
	6th cross road	2	50.00	0.15	0.10	1.50			
	cross road	2	300.00	0.15	0.10	9.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.15	0.10	1.65			
	2nd cross road	2	65.00	0.15	0.10	1.95			
	3rd cross road	2	95.00	0.15	0.10	2.85			
	6th cross road	2	350.00	0.15	0.10	10.50			
	7th cross road	2	243.00	0.15	0.10	7.29			
	8th cross road	2	285.00	0.15	0.10	8.55			
	9th cross road	2	115.00	0.15	0.10	3.45			
	10th cross road	2	115.00	0.15	0.10	3.45			
	Kogilu layout								
	4th cross road	2	95.00	0.15	0.10	2.85			
	5th cross road	2	95.00	0.15	0.10	2.85			
	6th cross road	2	95.00	0.15	0.10	2.85			
	7th cross road	2	95.00	0.15	0.10	2.85			
	For kerb stone								
	Agrahara layout								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st cross road	2	119.00	0.20	0.15	7.14			
	cross road near masadi	2	24.00	0.20	0.15	1.44			
	2nd cross road	2	115.00	0.20	0.15	6.90			
	3rd cross road	2	75.00	0.20	0.15	4.50			
	4th main road	2	120.00	0.20	0.15	7.20			
	1st cross road	2	60.00	0.20	0.15	3.60			
	2nd cross road	2	60.00	0.20	0.15	3.60			
	3rd cross road	2	60.00	0.20	0.15	3.60			
	4th cross road	2	60.00	0.20	0.15	3.60			
	5th cross road	2	60.00	0.20	0.15	3.60			
	6th cross road	2	42.00	0.20	0.15	2.52			
	5th main road	2	180.00	0.20	0.15	10.80			
	1st cross road	2	50.00	0.20	0.15	3.00			
	2nd cross road	2	50.00	0.20	0.15	3.00			
	3rd cross road	2	55.00	0.20	0.15	3.30			
	4th cross road	2	50.00	0.20	0.15	3.00			
	5th cross road	2	55.00	0.20	0.15	3.30			
	6th cross road	2	50.00	0.20	0.15	3.00			
	cross road	2	300.00	0.20	0.15	18.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.20	0.15	3.30			
	2nd cross road	2	65.00	0.20	0.15	3.90			
	3rd cross road	2	95.00	0.20	0.15	5.70			
	6th cross road	2	350.00	0.20	0.15	21.00			
	7th cross road	2	243.00	0.20	0.15	14.58			
	8th cross road	2	285.00	0.20	0.15	17.10			
	9th cross road	2	115.00	0.20	0.15	6.90			
	10th cross road	2	115.00	0.20	0.15	6.90			
	Kogilu layout								
	4th cross road	2	95.00	0.20	0.15	5.70			
	5th cross road	2	95.00	0.20	0.15	5.70			
	6th cross road	2	95.00	0.20	0.15	5.70			
	7th cross road	2	95.00	0.20	0.15	5.70			
	RCC Drain								
	Defence Colony								
	8th main	1	470.00	0.20	0.15	14.10			
	2nd cross road	2	130.00	0.20	0.15	7.80			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	0.20	0.15	13.20			
	1st cross road	2	251.00	0.20	0.15	15.06			
	2nd cross road	2	84.00	0.20	0.15	5.04			
	3rd A cross road	1	270.00	0.20	0.15	. 8.10			
	cross road-1	2	80.00	0.20	0.15	4.80			
	cross road-2	2	80.00	0.20	0.15	4.80			
	cross road-3	2	80.00	0.20	0.15	4.80			
	cross road-4	2	80.00	0.20	0.15	4.80			
	Mathru Layout	2	370.00	0.20	0.15	22.20			
	Jakkur Main Rd, LHS	1	225.00	0.20	0.15	6.75			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Jakkur Main Rd, RHS	1	225.00	0.20	0.15	6.75			
	Culvert Coping SSM	40	6.00	0.45	0.10	10.80			
	Culvert Vent SSM	20	6.00	0.60	0.15	10.80			
						1011.12	**Cum**	**5747.32**	**5811230.20**
9	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.1, Page no 27								
	Basic rate	962.00							
	Area weightage 6%	57.72							
	Total	**1019.72**							
	Flagging Course								
	Compound Side								
	Agrahara layout								
	1st cross road	2	119.00		0.40	95.20			
	cross road near masadi	2	24.00		0.40	19.20			
	2nd cross road	2	115.00		0.40	92.00			
	3rd cross road	2	75.00		0.40	60.00			
	4th main road	2	120.00		0.40	96.00			
	1st cross road	2	60.00		0.40	48.00			
	2nd cross road	2	60.00		0.40	48.00			
	3rd cross road	2	60.00		0.40	48.00			
	4th cross road	2	60.00		0.40	48.00			
	5th cross road	2	60.00		0.40	48.00			
	6th cross road	2	42.00		0.40	33.60			
	5th main road	2	180.00		0.40	144.00			
	1st cross road	2	50.00		0.40	40.00			
	2nd cross road	2	50.00		0.40	40.00			
	3rd cross road	2	55.00		0.40	44.00			
	4th cross road	2	50.00		0.40	40.00			
	5th cross road	2	55.00		0.40	44.00			
	6th cross road	2	50.00		0.40	40.00			
	cross road	2	300.00		0.40	240.00			
	Prakruti Nagar								
	1st cross road	2	55.00		0.40	44.00			
	2nd cross road	2	65.00		0.40	52.00			
	3rd cross road	2	95.00		0.40	76.00			
	6th cross road	2	350.00		0.40	280.00			
	7th cross road	2	243.00		0.40	194.40			
	8th cross road	2	285.00		0.40	228.00			
	9th cross road	2	115.00		0.40	92.00			
	10th cross road	2	115.00		0.40	92.00			
	Kogilu layout								
	4th cross road	2	95.00		0.40	76.00			
	5th cross road	2	95.00		0.40	76.00			
	6th cross road	2	95.00		0.40	76.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	7th cross road	2	95.00		0.40	76.00			
						2630.40	**Sqm**	**1019.72**	**2682271.49**
10	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.2, Page no 27								
	Basic rate	924.00							
	Area weightage 6%	55.44							
	Total	**979.44**							
	Flagging Course								
	Compound Side								
	Agrahara layout								
	1st cross road	2	119.00		0.40	95.20			
	cross road near masadi	2	24.00		0.40	19.20			
	2nd cross road	2	115.00		0.40	92.00			
	3rd cross road	2	75.00		0.40	60.00			
	4th main road	2	120.00		0.40	96.00			
	1st cross road	2	60.00		0.40	48.00			
	2nd cross road	2	60.00		0.40	48.00			
	3rd cross road	2	60.00		0.40	48.00			
	4th cross road	2	60.00		0.40	48.00			
	5th cross road	2	60.00		0.40	48.00			
	6th cross road	2	42.00		0.40	33.60			
	5th main road	2	180.00		0.40	144.00			
	1st cross road	2	50.00		0.40	40.00			
	2nd cross road	2	50.00		0.40	40.00			
	3rd cross road	2	55.00		0.40	44.00			
	4th cross road	2	50.00		0.40	40.00			
	5th cross road	2	55.00		0.40	44.00			
	6th cross road	2	50.00		0.40	40.00			
	cross road	2	300.00		0.40	240.00			
	Prakruti Nagar								
	1st cross road	2	55.00		0.40	44.00			
	2nd cross road	2	65.00		0.40	52.00			
	3rd cross road	2	95.00		0.40	76.00			
	6th cross road	2	350.00		0.40	280.00			
	7th cross road	2	243.00		0.40	194.40			
	8th cross road	2	285.00		0.40	228.00			
	9th cross road	2	115.00		0.40	92.00			
	10th cross road	2	115.00		0.40	92.00			
	Kogilu layout								
	4th cross road	2	95.00		0.40	76.00			
	5th cross road	2	95.00		0.40	76.00			
	6th cross road	2	95.00		0.40	76.00			
	7th cross road	2	95.00		0.40	76.00			
						2630.40	**Sqm**	**979.44**	**2576318.98**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	For Drain								
	Flagging Course								
	Agrahara layout								
	1st cross road	2	119.00	0.90		214.20			
	cross road near masadi	2	24.00	0.90		43.20			
	2nd cross road	2	115.00	0.90		207.00			
	3rd cross road	2	75.00	0.90		135.00			
	4th main road	2	120.00	0.90		216.00			
	1st cross road	2	60.00	0.90		108.00			
	2nd cross road	2	60.00	0.90		108.00			
	3rd cross road	2	60.00	0.90		108.00			
	4th cross road	2	60.00	0.90		108.00			
	5th cross road	2	60.00	0.90		108.00			
	6th cross road	2	42.00	0.90		75.60			
	5th main road	2	180.00	0.90		324.00			
	1st cross road	2	50.00	0.90		90.00			
	2nd cross road	2	50.00	0.90		90.00			
	3rd cross road	2	55.00	0.90		99.00			
	4th cross road	2	50.00	0.90		90.00			
	5th cross road	2	55.00	0.90		99.00			
	6th cross road	2	50.00	0.90		90.00			
	cross road	2	300.00	0.90		540.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.90		99.00			
	2nd cross road	2	65.00	0.90		117.00			
	3rd cross road	2	95.00	0.90		171.00			
	6th cross road	2	350.00	0.90		630.00			
	7th cross road	2	243.00	0.90		437.40			
	8th cross road	2	285.00	0.90		513.00			
	9th cross road	2	115.00	0.90		207.00			
	10th cross road	2	115.00	0.90		207.00			
	Kogilu layout								
	4th cross road	2	95.00	0.90		171.00			
	5th cross road	2	95.00	0.90		171.00			
	6th cross road	2	95.00	0.90		171.00			
	7th cross road	2	95.00	0.90		171.00			
	RCC Drain								
	Defence Colony								
	8th main	1	470.00	0.90		423.00			
	2nd cross road	2	130.00	0.75		195.00			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	0.90		396.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st cross road	2	251.00	0.90		451.80			
	2nd cross road	2	84.00	0.90		151.20			
	3rd A cross road	1	270.00	0.75		202.50			
	cross road-1	2	80.00	0.75		120.00			
	cross road-2	2	80.00	0.75		120.00			
	cross road-3	2	80.00	0.75		120.00			
	cross road-4	2	80.00	0.75		120.00			
	Missing slabs	400	0.60	0.90		216.00			
	Mathru Layout	2	370.00	0.90		666.00			
	Missing slabs	150	0.60	0.90		81.00			
	Missing slabs	450	0.60	0.90		243.00			
	Jakkur Main Rd, LHS	1	225.00	0.75		168.75			
	Jakkur Main Rd, RHS	1	225.00	1.20		270.00			
	Missing slabs	600	0.60	0.90		324.00			
						10186.65	**Sqm**	**2337.00**	**23806201.05**
12	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	5418.00							
	Culvert	25	6.00	1.50		225.00			
	Culvert SSM	20	6.00	1.50		180.00			
						405.00	**Sqm**	**5418.00**	**2194290.00**
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27								
	Basic rate	408.00							
	Area weightage 6%	24.48							
	Total	**432.48**							
	Flagging Course								
	Agrahara layout								
	1st cross road	2	119.00			238.00			
	cross road near masadi	2	24.00			48.00			
	2nd cross road	2	115.00			230.00			
	3rd cross road	2	75.00			150.00			
	4th main road	2	120.00			240.00			
	1st cross road	2	60.00			120.00			
	2nd cross road	2	60.00			120.00			
	3rd cross road	2	60.00			120.00			
	4th cross road	2	60.00			120.00			
	5th cross road	2	60.00			120.00			
	6th cross road	2	42.00			84.00			
	5th main road	2	180.00			360.00			
	1st cross road	2	50.00			100.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd cross road	2	50.00			100.00			
	3rd cross road	2	55.00			110.00			
	4th cross road	2	50.00			100.00			
	5th cross road	2	55.00			110.00			
	6th cross road	2	50.00			100.00			
	cross road	2	300.00			600.00			
	Prakruti Nagar								
	1st cross road	2	55.00			110.00			
	2nd cross road	2	65.00			130.00			
	3rd cross road	2	95.00			190.00			
	6th cross road	2	350.00			700.00			
	7th cross road	2	243.00			486.00			
	8th cross road	2	285.00			570.00			
	9th cross road	2	115.00			230.00			
	10th cross road	2	115.00			230.00			
	Kogilu layout								
	4th cross road	2	95.00			190.00			
	5th cross road	2	95.00			190.00			
	6th cross road	2	95.00			190.00			
	7th cross road	2	95.00			190.00			
	RCC Drain								
	Defence Colony								
	8th main	1	470.00			470.00			
	2nd cross road	2	130.00			260.00			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00			440.00			
	1st cross road	2	251.00			502.00			
	2nd cross road	2	84.00			168.00			
	3rd A cross road	1	270.00			270.00			
	cross road-1	2	80.00			160.00			
	cross road-2	2	80.00			160.00			
	cross road-3	2	80.00			160.00			
	cross road-4	2	80.00			160.00			
	Mathru Layout	2	370.00			740.00			
	Jakkur Main Rd, LHS	1	225.00			225.00			
	Jakkur Main Rd, RHS	1	225.00			225.00			
						10516.00			
						23369.00	**Nos**	**432.48**	**10106625.12**
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Iitem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	Basic rate	80.00							
	Area weightage 6%	4.80							
	Total	**84.80**							
	Flagging Course								
	Agrahara layout								
	1st cross road	2	119.00	0.40		95.20			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road near masadi	2	24.00	0.40		19.20			
	2nd cross road	2	115.00	0.40		92.00			
	3rd cross road	2	75.00	0.40		60.00			
	4th main road	2	120.00	0.40		96.00			
	1st cross road	2	60.00	0.40		48.00			
	2nd cross road	2	60.00	0.40		48.00			
	3rd cross road	2	60.00	0.40		48.00			
	4th cross road	2	60.00	0.40		48.00			
	5th cross road	2	60.00	0.40		48.00			
	6th cross road	2	42.00	0.40		33.60			
	5th main road	2	180.00	0.40		144.00			
	1st cross road	2	50.00	0.40		40.00			
	2nd cross road	2	50.00	0.40		40.00			
	3rd cross road	2	55.00	0.40		44.00			
	4th cross road	2	50.00	0.40		40.00			
	5th cross road	2	55.00	0.40		44.00			
	6th cross road	2	50.00	0.40		40.00			
	cross road	2	300.00	0.40		240.00			
	Prakruti Nagar								
	1st cross road	2	55.00	0.40		44.00			
	2nd cross road	2	65.00	0.40		52.00			
	3rd cross road	2	95.00	0.40		76.00			
	6th cross road	2	350.00	0.40		280.00			
	7th cross road	2	243.00	0.40		194.40			
	8th cross road	2	285.00	0.40		228.00			
	9th cross road	2	115.00	0.40		92.00			
	10th cross road	2	115.00	0.40		92.00			
	Kogilu layout								
	4th cross road	2	95.00	0.40		76.00			
	5th cross road	2	95.00	0.40		76.00			
	6th cross road	2	95.00	0.40		76.00			
	7th cross road	2	95.00	0.40		76.00			
	RCC Drain								
	Defence Colony								
	8th main	1	470.00	0.40		188.00			
	2nd cross road	2	130.00	0.40		104.00			
	Kattigenahalli, Durgamba Layout								
	Main Road	2	220.00	0.40		176.00			
	1st cross road	2	251.00	0.40		200.80			
	2nd cross road	2	84.00	0.40		67.20			
	3rd A cross road	1	270.00	0.40		108.00			
	cross road-1	2	80.00	0.40		64.00			
	cross road-2	2	80.00	0.40		64.00			
	cross road-3	2	80.00	0.40		64.00			
	cross road-4	2	80.00	0.40		64.00			
	Mathru Layout	2	370.00	0.40		296.00			
	Jakkur Main Rd, LHS	1	225.00	0.40		90.00			
	Jakkur Main Rd, RHS	1	225.00	0.40		90.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						4206.40	**Sqm**	**84.80**	**356702.72**
15	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.(I No-18.47,P No-140)								
	Basic rate	899.00							
	6% AW	53.94							
	Sub Total	**952.94**							
	Lead 5 km	**12.80**							
	Total	**965.74**							
	Kogilu layout								
	Cross Road -1	1	40.00	3.80	0.20	30.40			
	Cross Road -2	1	90.00	4.10	0.20	73.80			
	Cross Road -3	1	70.00	3.60	0.20	50.40			
	Cross Road -4	1	58.00	4.30	0.20	49.88			
						204.48	**Cum**	**965.74**	**197474.52**
16	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	Basic rate	1882.00							
	6% AW	112.92							
	Sub Total	**1994.92**							
	Cut Portion								
	Kogilu layout								
	Cross Road -1	2	40.00	0.90	0.25	18.00			
	Cross Road -2	2	90.00	0.90	0.25	40.50			
	Cross Road -3	2	70.00	0.90	0.25	31.50			
	Cross Road -4	2	58.00	0.90	0.25	26.10			
						116.10	**Cum**	**1994.92**	**231610.21**
17	Constructing un-reinforced, **plain cement concrete for pavements using Grade concrete M30** with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	Basic rate	4916.00							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6% AW	294.96							
	Sub Total	**5210.96**							
	CC Road								
	Kogilu layout								
	Cross Road -1	1	40.00	3.80	0.15	22.80			
	Cross Road -2	1	90.00	4.10	0.15	55.35			
	Cross Road -3	1	70.00	3.60	0.15	37.80			
	Cross Road -4	1	58.00	4.30	0.15	37.41			
						153.36	**Cum**	**5210.96**	**799152.83**
								Total Construction Cost	**78235369.87**
								12% GST	**9388244.38**
								DPR & PMC Charges	**1776000.00**
								Sub Total	**89399614.25**
								Miscellaneous & Rounding off	**385.75**
								GRAND TOTAL	**89400000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

6/11/19

Approved by BBMP council
vide subject No. (S) 596 /2019-20
Dtt 28/01/2020

Administrative Approval

Accorded For Rs.894.00 lakhs
Head of A/C 13584
CER NO : 54 Dt: 07/03/2020

E.E. (Project)

Technical Sanction
Accorded For RS894.00lakhsonly
Head of A/C 13584
CER NO : 169 Dt: 06.11.2019

TA

CE (YNK)